



Dr. Augustus Kinzel Named To Company's Board of Directors

Dr. Augustus B. Kinzel was elected to the Board of Directors on August 16, it was announced by Robert C. Sprague, Chairman of the Board and Chief Executive Officer. Dr. Kinzel, recently named President and Chief Executive Officer of the Salk Institute for Biological Studies at La Jolla, California, retired on August 1 as Vice President in Charge of Research for the Union Carbide Corporation, a post he had occupied since 1955. Dr. Kinzel is President of the National Academy of Engineering and is a member of the National Academy of Sciences.

Dr. Kinzel has served as Consultant to the Los Alamos, Oak Ridge, Argonne, Knolls, and Brookhaven Laboratories. As a member of the initial Manhattan District Committee for the World Control of Atomic Energy, he helped draft the classified report that was the working basis for the Lillienthal and Baruch plans.

Dr. Kinzel received the degree of Bachelor of Arts cum laude in mathematics from Columbia University in 1919, the Bachelor of Science degree in engineering from Massachusetts Institute of Technology in 1921, and subsequently doctorates in metallurgical engineering and science from the University of Nancy in France. He was awarded the honorary degrees of Doctor of Engineering from New York University in 1955, Doctor of Sciences from Clarkson College of Technology in 1953, Doctor Honoris Causa from the University of Nancy in 1963, and Doctor of Engineering from both Worcester Polytechnic Institute and Rensselaer Polytechnic Institute in 1965.

During World War II, Dr. Kinzel

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\$2000 Suggestion Award Made To North Adams Employee

A \$2,000 suggestion award, the largest ever made at Sprague Electric Company, was presented to Joseph Mantello, a Brown Street employee, by Ernest L. Ward, President.

Present to witness the award were: Frederick H. Potter, Brown Street Factory Manager; John Shields, Superintendent; Kenneth Russell, General Foreman; Norman Chenail, Foreman; Charles Jaeschke, Methods Engineer; Ralph Pierpont, Design Engineer and Ronald Hurlbut, Group Leader. Also present from Industrial Relations were Kenneth S. Brown, Eastern Area Industrial Relations Manager; Henry G. Goetsch, Corporate Suggestion System Manager; and Francis C. Wilson, Manager of Employee Services.

Since 1951 when the suggestion system was formally established nearly \$50,000 has been paid to employees who have submitted accepted ideas. The largest award at a branch plant was made in 1955 to Robert Smith and Paul Warrington of the Nashua, New Hampshire operation. They shared a \$1328 award for their accepted idea.

In North Adams, three employees, in addition to Mr. Mantello, have received large awards in the past couple of years. In June 1963, James Williams, a Machine Shop employee, received \$1,230; in 1961 John Sullivan, of Centrifuge, was awarded \$1,023; and in December 1964 Ronald Couture, a Beaver

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Presentation of the largest Suggestion Award check in the Company's history was a festive occasion. Ernest L. Ward (2nd right), President, made the presentation and extended his congratulations to Joseph Mantello (2nd left) award recipient. Other Brown Street personnel witnessing the ceremony were: (left to right) Norman Chenail, Foreman; Frederick H. Potter, Factory Manager; and John Shields, Superintendent.

Semi Annual Report Reveals Largest First Half Sales In Company's History

Net sales of Sprague Electric Company and consolidated subsidiaries in the six months ended June 30, 1965 totaled \$51,619,241, the highest half-year sales figure in the Company's history, it was announced recently by Robert C. Sprague, Chairman of the Board and Chief Executive Officer, and Ernest L. Ward, President, in the Company's semi-annual report to shareholders.

Net profit after taxes was increased to \$2,136,770 against \$1,901,203 in 1964. Net profit from operations per share amounted to \$1.35 on the 1,582,460 shares outstanding, compared to \$1.22 on 1,549,481 shares outstanding at June 30, 1964. In 1964 the Company had in addition a non-recurring credit adjustment of \$400,831, applicable to the years 1962 and 1963, which is not included in the 1964 earnings figures above.

"Our higher sales and profits in the first six months of the year reflect substantially increased activity in the consumer and industrial electronics markets, and some recovery in shipments of military electronics when compared with the depressed level of early 1964," the two officers said. "Despite a 19 per cent increase in shipments as compared with last year, our open order backlog has continued to increase and is currently some 14 per cent higher than at the beginning of the year."

They added that demand for Sprague components and circuits is benefiting this year from the high rate of production of television sets,

specifically color sets, radios, and other home entertainment products, as well as from increasing shipments of components and other industrial equipment.

"Regular deliveries of both silicon monolithic integrated circuits and thin-film microcircuits are increasing, and we are also continuing our active design and sampling programs in both these areas," they said.

The executive also said that 1964 may have been the start of another of the recurring periods of substantial growth in sales and earnings that have characterized the Company's history, particularly since 1940.

Off-the-Job Safety Program Featured In Nat'l Safety News

Our Off-the-Job Safety Program is the subject of an interesting feature article in the August issue of National Safety News, a magazine widely read by industrial safety personnel. Recently a freelance writer, Mr. K. A. Andersen, visited the North Adams plants where he discussed the program in detail with John H. Winant, Vice President, Industrial Relations; John D. Washburn, Corporate Director of Industrial Relations; and Anthony N. Sacco, Corporate Safety Supervisor.

Many companies have become extremely interested in the off-the-job accident increases among their employees and the resulting loss of time from work and increased insurance costs. For many years Sprague Electric has conducted an intensive campaign to reduce accidents on-the-job and to make the Company a safe place to work. The campaign has been successful and our frequency rate on-the-job is now a low 1.2 for each million manhours worked.

Off the job our people have not fared as well. In a review of group insurance claims in North Adams for the period July 1961 to July 1962, insurance claims for \$52,000 were paid to 1,038 employees and their dependents for off-the-job injuries. Automobile accidents were responsible for a large number of claims, but a whopping 40% involved falls, fractures, dislocations and sprains. For the same period, a total of \$19,000 was paid to 328 employees in Workman's Compensation claims, with only 18 of these claims paid for lost time accidents. It is clearly evident that our employees are much

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Heart Attack

by Dr. William G. Heeks,
Corporate Medical Director

For over 15 years the National Heart Institute has been conducting an Epidemiological study of Heart Disease in the town of Framingham, Massachusetts. The purpose of this population study was to investigate the patterns and factors involved in producing coronary heart disease and from a study of over 5000 participants several specific factors have been discovered which may contribute to an increased risk of developing coronary artery disease.

The coronary arteries supply the heart muscle with blood and when we speak of a heart attack we usually are thinking of an acute episode resulting from a sudden blocking of a coronary artery or one of its branches by a blood clot. These arteries usually have become diseased by the deposit of fatty material in their walls and this condition is called atherosclerosis or arteriosclerosis. The situation is similar to a water pipe with an accumulation of rust so that the channel is narrowed. These arterial wall deposits are not acute but develop gradually over long periods of time.

When a coronary artery becomes blocked or occluded, that part of the heart muscle supplied by it is deprived of blood and a heart attack occurs, medically spoken of as coronary thrombosis, coronary occlusion or myocardial infarction.

The Framingham study revealed certain risk factors which may contribute to a heart attack. This does not mean that an individual with these conditions is going to have a heart attack but it does mean that the possibility of a heart attack is greater than in a person not having them.

The risk factors in the study include high blood cholesterol levels, elevated blood pressure, excessive cigarette smoking, abnormal electrocardiogram, low vital capacity and to a lesser degree, overweight. Age also comes into the picture, the highest number of deaths occurring in the older age groups.

How do these factors affect you? With the exception of age, your family doctor can help you overcome the risk factors. Proper dieting with the elimination particularly of certain fats can reduce cholesterol levels. Medication is available to reduce blood pressure. A physical fitness program will improve vital capacity and the overall physical condition.

The point I am trying to emphasize is, that as a result of a long period of carefully controlled study, certain risk factors which enhance the possibility of heart attack have been identified. Something can be done to control all of them except the ageing process. Regular check-ups by your family doctor and the institution of control measures for proven risk factors may well contribute to a happier, healthier and longer life.



Jimmie Fariss



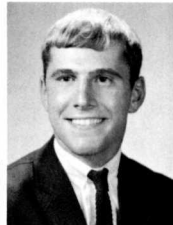
Lois Anne Hartsoe



Robert Janules



Richard Clough



Bryan LeBeau



Patricia Wotkowicz



Britton Girard



Charles Stevens



Patricia Willis

Sprague Electric Scholarships To Assist 9 Students In Furthering Their Education

Nine Sprague Electric scholarships were recently awarded to high school seniors at various plant locations throughout the country. The Sprague Electric General Scholarship, awarded annually to the son or daughter of a Sprague employee at a location which does not have a scholarship of its own, went to Jimmie Lee Fariss whose father, Carl Fariss, is employed at the Hillsville, Virginia plant as a sealer.

at Ashe County, North Carolina. Lois Ann Hartsoe, daughter of Josephine Hartsoe, an electrical tester, was awarded their local scholarship, and at Nashua, New Hampshire, Robert Janules, son of Pauline Janules, a resistor winder, was named the recipient.

In North Adams, three children of employes were awarded scholarships. They were Richard Clough, stepson of Frank Chilson, Sr., General Foreman; Bryon LeBeau, son of Nancy LeBeau of Retail Sales; and Patricia Wotkowicz, daughter of Frank Wotkowicz, a stitcher.

The Sprague Electric Engineering Scholarship was received by Britton A. Girard, of Adams, Massachusetts; the Cooperative Engineering Scholarship was given to Charles G. Stevens, of North Adams; and Patricia A.

Willis, of Pittsfield, was recipient of the Sprague Electric Nursing Scholarship.

Sprague Electric Scholarships to children of employees and the Engineering Scholarship are for \$500 a year for a maximum of four years; the Cooperative Engineering Scholarship is a single award of \$500; and the Nursing Scholarship is for \$400. The Company also provides a grant to the educational institution the recipient attends. The grant is equal to one half of the scholarship and may be used by the school in any constructive manner it desires. The awards are made to graduating high school seniors who are selected for scholastic achievement, personality, general all-around ability, leadership and the need for financial assistance.

Jimmie Lee Fariss will attend Roanoke Technical Institute for two years and will transfer to Virginia Polytechnic Institute with full credit for the balance of his work in electrical engineering.

Jimmie ranks in the upper half of his class and has also held a part time job. In school he was a member of the high school band, the Virginia All-State Band, the Yearbook Staff,

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Dr. Kinzel

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held key advisory posts in the ordnance field and was in charge of the Metals Branch of the Technical Industrial Intelligence Committee in Europe. He was a Member of the Defense Science Board and is presently a Member of the Naval Research Advisory Committee of which he is a past Chairman. He was President of the American Institute of Mining, Metallurgical, and Petroleum Engineers, President of the Engineers Joint Council, and was Chairman of the Board of the Engineering Foundation. He is a Member of the National

Academy of Sciences, the American Philosophical Society, and was a Member of the Corporation of the Massachusetts Institute of Technology. He is a Trustee of the California Institute of Technology, the Jet Propulsion Laboratory, the Salk Research Institute and is a Member of the Board of Directors of Systems Development Corporation, General American Investment Company, American Optical Company and Beckman Instrument Company.

Dr. Kinzel resides in New York City and maintains a home in La Jolla, California as well as a summer home at Queechy Lake, Canaan, New York.

500th Patent Dinner Honors Recipients Of Company Patents

Sprague Electric patent holders and Dr. Preston Robinson, recipient of the Company's 500th patent, were honored recently at a dinner held at the 1896 House in Williamstown, Massachusetts.

Speaking to the group, Robert C. Sprague, Chairman of the Board and Chief Executive Officer, extended his personal congratulations to Dr. Robinson for his outstanding contribution of 109 patents, many of which are "milestones in the growth of Sprague Electric and have contributed substantially to the development of new products."

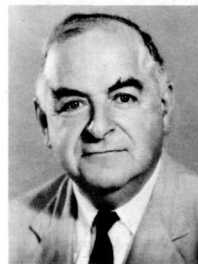
Mr. Sprague also gave special recognition to our other prolific contributors, those who rank in the "top ten", and mentioned their outstanding patents: They include Dr. Sidney Ross with 43 patents, Dr. Kurt Lehovec with 33, David B. Peck with 29, Mark Markarian with 24, Stanley Dorst with 18, William Allison and Paul Netherwood with 14 each, and Mathew Nazzewski with 11. Also included in the group is Mr. Sprague who holds 19 patents in his own name.

Continuing with his remarks, Mr. Sprague also congratulated many in the Company who have made process inventions which the Company has not permitted to be patented. According to Mr. Sprague "it was decided in such cases that our interest would best be served by treating these particular inventions as 'secret processes'."

Mr. Sprague noted that the Company was based on inventions and patents and that the periods of most rapid growth have coincided with the expansion of research and engineering staffs and facilities. Sprague Electric Company now holds the largest number of component patents among U. S. manufacturers. In

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Dr. John L. Sprague Named Senior Vice President, Research and Development As Frederick Lack Retires



Frederick R. Lack



Dr. John L. Sprague



David B. Peck



Robert D. Smith

Retirement of Frederick R. Lack as Senior Vice President, Research was announced by Robert C. Sprague, Chairman of the Board and Chief Executive Officer, and Ernest L. Ward, President. Mr. Lack will continue as a Director and will serve as a Consultant to the Company.

In a reorganization of the Company's Research and Engineering activities following Mr. Lack's retirement, Dr. John L. Sprague will be responsible for both the Company's research organization as well as the development of new products, including semiconductors, ceramic-base microcircuits, and passive components.

David B. Peck has been named Vice President, Engineering. Mr. Peck, formerly Vice President, Special Components Division, will be responsible for all basic engineering activities as well as the Company's Instrument Operations.

Robert D. Smith has been named acting Manager of the Special Components Division, which includes plants at North Adams, Rockville, Maryland, and Visalia, California.

Prior to his recent appointment Dr. Sprague served as Senior Vice President, Engineering. He is also

a member of the Company's Board of Directors. A graduate of Princeton University, Dr. Sprague received his Ph.D. in physical-inorganic chemistry from Stanford University. As an officer in the Naval Reserve, he served as assistant electronics officer and electronics division officer on the experimental electronics cruiser USS Northampton.

He is a member of the American Chemical Society, the Electrochemical Society, and the Institute of Electrical and Electronics Engineers, as well as Sigma Xi and Phi Lambda Upsilon, scientific honorary societies.

Mr. Peck, new Vice President, Engineering, had previously been Vice President, Special Components Division since 1960. He joined Sprague Electric in 1943 from the

Engineering Department of E. I. duPont de Nemours & Company. Prior to the establishment of the Special Components Division he served as a chemical engineer, patent engineer, and supervisory engineer in the Research and Engineering Department.

Mr. Peck holds a degree in chemical engineering from Rensselaer Polytechnic Institute, where he was a member of Pi Mu Epsilon, honorary mathematics society. He is a member of the American Chemical Society, the Institute of Electrical and Electronics Engineers, and the Electrochemical Society.

Prior to his appointment as acting Manager of the Special Components Division, Mr. Smith was Factory

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R. C. Sprague Commencement Speaker

Discusses 'Profit Motive' At Worcester Junior College

Robert C. Sprague, Chairman of the Board and Chief Executive Officer, was the principal speaker at Worcester Junior College Commencement exercises held Saturday, June 12 at Worcester Memorial Auditorium, Lincoln Square, Worcester.

A total of 323 students were awarded associate degrees at the ceremonies. Dr. Clifton Emery, President of the College, introduced Mr. Sprague and following the address presented a citation to him which stated:

"We honor today a distinguished gentleman who has repeatedly demonstrated brilliance and wisdom in the arenas of commerce, design, education and national defense. He has been accorded significant recognition by many august bodies just as we are doing today.

"In knowing this man one discovers a person of courage, inventiveness and with a genius for developing and implementing ideas. One sees a tall man among men, undaunted by obstacles which deter many in today's world. Here too is a man with much intuitiveness, sensitivity and awareness of the needs of people.

"Robert Chapman Sprague - with these words we express to you our sincere gratitude, our deep respect and our unfettered admiration. Worcester Junior College is proud to mark you as a conferee."

THE 'PROFIT MOTIVE'

Speaking to the group Mr. Sprague discussed the Profit Motive. He noted that it is a subject which has been receiving a great deal of publicity in the last few years, but is widely misunderstood, particularly by young Americans. A recent student survey showed that a large number of students think the average company makes a 40-50% profit instead of the actual average of 5% after taxes. These same students also felt governmental control of business would be preferable to our free enterprise system.

Mr. Sprague noted that running a corporation is very much like conducting one's own personal affairs, and "the profit motive is a short way of describing a system which permits, encourages and requires individual decision making in the conduct of personal and business affairs."

Continuing Mr. Sprague remarked that each individual knows his approximate income for the year, and the prudent person limits his spending to provide at least a modest reserve against future risks. This is what enables him to build for the future - to educate his children, provide retirement income or to buttress his ability to borrow money. A profitable company operates in the same manner.

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Robert C. Sprague (2nd right) presented Dr. Robinson (2nd left) a bronze plaque mounted on wood commemorating the issuance of the 500th Sprague Electric patent. Dr. Robinson holds 109 Sprague Electric patents. The plaque reads: "Presented to Preston Robinson as the outstanding contributor among the inventors of the 500 United States letters patents granted to the Sprague Electric Company."

Waiting to greet Dr. Robinson are: (left) Vincent H. Sweeney, Manager of Patent Services, and (right) Dr. John L. Sprague, Senior Vice President, Research and Development.

R. L. Parrish Heads Paper and Small Film Operations As Puppulo, Rohane & Daigneault Assume New Duties



R. L. Parrish



J. M. Puppulo



W. J. Rohane



M. J. Daigneault

Walter J. Rohane, former Superintendent at the Beaver Street Plant, has transferred to the new Sprague facility, Dearborn Electronics, Inc., Orlando, Florida, as Production Manager according to an announcement made by Ernest L. Ward, President. John M. Puppulo, former Tantulum Factory Manager at the Concord Plant, has returned to North Adams as Beaver Street Plant Manager.

In conjunction with these changes Robert L. Parrish has assumed responsibility as General Manager for all Sprague Electric USA small paper and film operations and will continue his responsibility for all solid tantalum operations. His new duties will include both the Beaver Street Plant and Dearborn Electronics. Mr. Parrish will continue to make his head-

quarters at Sprague Electric's Concord Plant.

With the transfer of Mr. Puppulo to North Adams, Martin J. Daigneault, Plant Manager of the Plymouth, New Hampshire Plant has assumed the added responsibility as Factory Manager of Concord solid tantalum production. Mr. Daigneault will continue to make his headquarters at Plymouth.

Both Mr. Rohane and Mr. Puppulo are members of the Sprague Electric Quarter Century Club. Mr. Puppulo, a native of North Adams, joined Sprague Electric in 1934 and was named a Foreman in 1937. He was a Superintendent at the time of his transfer to Concord in 1956 when that plant was first established.

A graduate of Wentworth Institute, Mr. Puppulo has been active in community affairs in Concord and in 1963 was listed in Who's Who In Industry. He was appointed to the Concord Recreational Advisory Board and as a member of the Concord Kiwanis served as chairman of their scholarship committee. In North Adams he served for nine years on the Recreation Board. While in Concord he was a member of the Concord Country Club and the Wonolancet Club.

Mr. Rohane, also a native of North Adams, joined the Company in 1930 and in 1931 left for other employment. In 1933 he returned and has been employed since that time at the Beaver Street Plant. He held various production positions and in 1952 was named Superintendent of the Beaver Street operation, the position he held until his present transfer.

Mr. Parrish joined the Company at the Ashe County, North Carolina Plant in 1953 as Plant Manager when that operation was first established. He remained in that position until July 1959 when he transferred to Concord as Factory Manager in Charge of Transistor Manufacturing. In March 1960 he was named Concord General Manager with the retirement of Jesse Ault. In addition to previously mentioned locations, Mr. Parrish will also have overall responsibility for the Sprague Electric Plant in Ponce, Puerto Rico and for Rock of Ages Capacitors, Inc., Barre, Vermont.

Mr. Daigneault joined Sprague Electric in 1951 in North Adams. In 1953 he transferred to the Los Angeles Sales Office and in 1958 was named

Plant Manager of the new Visalia, California operation. In 1961 he returned to the East as Plant Manager of the Plymouth operation.

Long active in community affairs, Mr. Daigneault is a past President of the Plymouth Rotary Club and a former Chairman of the Plymouth Park Commission. He presently serves as the Eastern Unit Chairman of the Cancer Society of New Hampshire and is on the Board of Directors of the Plymouth Hospital.

Resistor Operations Move at Nashua, N.H.

Sprague Electric Company has purchased 212,000 square feet of additional space in Nashua, New Hampshire to provide long term expansion facilities there. The new area, formerly the Nashua Finishing Company, is adjacent to the present plant on Factory Street.

Metal film resistor operations will move into the new plant as soon as necessary improvements and changes have been completed. Ceramic operations will continue in the present location.

Sprague Electric has operated its Nashua plant since June 1948, originally beginning operations on Pine Street. In 1950 the present five-story plant was leased from the Nashua Foundation. As the largest of the many branch plant operations, the Nashua plant employs over 1,200 people.

E. L. Ward Receives "Silver Knight of Management" Award

Ernest L. Ward, President, was presented the "Silver Knight of Management" award at a luncheon meeting of the New England Council of the National Management Association held at McCann School cafeteria in North Adams. Carleton E. Perry, Sprague Electric Foreman and President of the New England Area Council, made the presentation.

The Silver Knight award is presented to outstanding management people through the recommendation of the local Management Club and with the approval of the National Management Association. In making the award Mr. Perry outlined the growth of Sprague Electric since 1946 when Mr. Ward joined the Company. At that time Sprague Electric consisted of four plants, three of which were located in North Adams. Now 26 manufacturing operations are located throughout the world.

In accepting the award Mr. Ward thanked the group and noted that any such citation is the result of a management team which works together to achieve a total united effort. He also reminisced about his original decision to join Sprague Electric after spending 16 years as an investment analyst with F. S. Moseley & Company of Chicago. He remarked that at that time Sprague Electric filled his qualifications for a "good" company - and that it still did.

Following the luncheon, Council members were taken on a tour of the McCann School and in the evening a business meeting and outing was held at Pete's Hideaway off the Mohawk Trail.

Attending the luncheon as guests, in addition to several Sprague Management Club members, were: Mayor Francis C. Florini, of North Adams; Williamstown Town Manager LeRoy Picard; North Adams Chamber of Commerce President Donald A. Thurston, Chamber Executive Secretary Arthur G. Kelts; and Superintendent-Director of McCann School James R. Westall.

Tom C. Sawyer Named Wisconsin IR Manager



Announcement of the appointment of Tom C. Sawyer as Industrial Relations Manager of the Sprague of Wisconsin, Inc. operation was made recently by John D. Washburn, Corporate Director of Personnel. Prior to assuming his responsibilities in Grafton, Mr. Sawyer participated in an extensive indoctrination program at the corporate headquarters in North Adams.

A native of Racine, Wisconsin and a graduate of the University of Wisconsin, Mr. Sawyer was formerly associated with the United States Gypsum Company as Employment Supervisor, and Personnel Manager in Wabash, Indiana and Red Wing, Minnesota respectively. Prior to his appointment by the Sprague Electric Company, he was employed by the Diamond Transportation System of Racine as Safety Director.



Ernest L. Ward, President, was presented "The Silver Knight of Management" award by Carleton E. Perry, (right) Sprague Electric Foreman and President of the New England Area Council, at a luncheon meeting of the New England Area Council of the National Management Association.

Concord News

SUGGESTION PROGRAM AWARDS \$1,197.00 DURING FIRST 6 MONTHS OF CURRENT YEAR

During the first six months of the current calendar year, 28 employee suggestions were accepted by the Suggestion Committee, representing a monetary distribution of \$1,197.00 to participating Sprague Concord employees.

The highest single amount awarded during that period, in which 66 suggestions were received for evaluation, went to Carol Clark of Department 721, who received \$125.00 for an idea utilized to expedite the production of transistors. The next highest individual awards for the same period went to Elwood Roberts and Wayne Robertson of Department 720, who split a \$210.00 award for their suggestion applying to the Silicon Epitaxial operation.

This figure represents an increase over the same period last year, not only in the total amount paid, but also in the amount of individual awards. Last year's figure was \$1,121.65 paid for 36 suggestions, with individual awards averaging \$31.00, as compared to the approximate \$42.00 paid for each suggestion this year.

As a result of the June 30 meeting of the Suggestion Committee, three employees received awards totaling \$151.00.

Howard Hazeltine of Department 434, led the list with two award winning ideas totaling \$121.00. For his idea to increase the life of the P. E. recorders, he received an award of \$96.00, and for his idea to save buying counter plates, he was awarded \$25.00.

Other awards at the same meeting went to Joan Trethewey of Department 721, who received \$15.00 for her idea to reduce eye strain in the Final Test Department, and an award of \$15.00 to Dick Jewell of Department 732, for his idea to repair rather than replace the control switches on proficorders.

age of four years, has had a competitive interest in both small and large bore league rifle shooting for over fifteen years. In 1955, he competed in the National Rifle matches at Camp Perry, Ohio, representing the U. S. Navy Rifle team at Port Lyantey, French Morocco.

Employed by the Sprague Electric Company since October 1959, Eliot is presently in practice for the New Hampshire High Power Rifle Championship match, scheduled for September 17 and 18, at the Dunbarton Range.

E. Clemons Runnerup In N. H. Rifle Championship

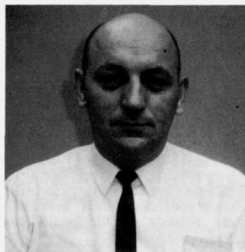


Eliot Clemons, Plant Layout Draftsman in Department 437, was declared runnerup in the New Hampshire State Gallery Rifle Championship held recently at the Pioneer

Range in Dunbarton, New Hampshire.

With a score of 781 out of a possible 800, Eliot took first place in the expert class, missing the laurels of State Champion by three points. Tom Mansfield of New Boston, took that title by winning the match with a score of 784.

Eliot, who fired his first rifle at the



Theodore Jasiewicz



Robert Dandy

T. JASIEWICZ and R. DANDY ASSUME NEW POSITIONS OF INCREASED RESPONSIBILITY

Kenneth Faylor, Factory Manager of Electro-Chemical production and Material Preparation, recently announced several important changes in his area of responsibility. In the announcement, Theodore Jasiewicz, formerly Chief Engineer of the Electro-Chemical Germanium operation, was named Manager of Process Engineering, and Robert Dandy, formerly General Foreman, in the same area, was named Production Superintendent, with both Jasiewicz and Dandy given increased departmental responsibility.

As Manager of Process Engineering, Mr. Jasiewicz was given complete engineering responsibility for Chemical and Metal Preparation in Department 720 and for the Silicon operation in Department 723, as well as his former engineering duties in Electro-Chemical production.

In his new capacity as Production Superintendent, Mr. Dandy will assume all production responsibility for Electro-Chemical Germanium production, as well as Material Preparation and the Silicon operation.

Mr. Jasiewicz, a native of Frackville, Pennsylvania, joined the Sprague Electric Company on December 23, 1963.

He is a graduate of Frackville High School, and received a Bachelor of Science degree in Mechanical Engineering from Pennsylvania State University. His past employment was with the Philco Corporation, Lansdale, Pennsylvania, as an Engineering Group Supervisor.

Mr. Jasiewicz resides in Concord with his wife, the former Marie Plasco of Pottstown, Pennsylvania, and son Ted, Jr.

Mr. Dandy began employment with the Sprague Electric Company on March 28, 1957, as a Utility Man.

Prior to joining the Company, he received his education from Concord High School and the University of New Hampshire and while in the employ of the Company, he has completed, under the Educational Sponsorship Program, a three-year technical course with the Sprague-Franklin Technical School and a two-year course in Middle Management

with the University of New Hampshire Extension Program.

Mr. Dandy, his wife, the former Margaret Varney of Concord, and their family are residents of Bow, New Hampshire.

J. Brouillet Named To Head Concord Payroll



Joseph Brouillet was recently named Section Head of the Sprague Concord Payroll Department, according to an announcement by Aldem Trotter, Industrial Relations Manager.

A native of Concord, Mr. Brouillet graduated from St. John's High School and attended Bentley College in Boston, Massachusetts.

In his capacity as Section Head of the Payroll Department, he has overall responsibility for all payroll functions at the Concord Plant, as well as managerial responsibility for the Sprague Concord Credit Union.

Prior to his employment with Sprague Electric, he was a salesman for Brouillet Motor Sales and Assistant Manager for the Giant Store in Penacook, New Hampshire.

Mr. Brouillet and his wife, the former Judith Nay of Antrim, New Hampshire, currently reside in Concord.

New Format

This issue of the employee publication brings with it an extensive change of format and style combining the local news coverage with the National Log. This represents an effort to bring more news and to keep our employees better informed.

We hope you will find it attractive and interesting.

Parade Opens Bicentennial Celebration



The Memorial Day Float sponsored by Sanel Auto. Parts, Inc., and the Sprague Electric Company, was one of many entered in the parade to open the summer's festivities. Other pictures and stories on pages 2A and 8A.



J. Denoncourt



P. Gilbert



H. Young

PROMOTIONS RECENTLY ANNOUNCED FOR THREE LONG SERVICE CONCORD EMPLOYEES

James Denoncourt and Herman Young were recently promoted to Engineering Assistants and Peter Gilbert was recently promoted to Production Equipment Maintenance Section Head.

Mr. Denoncourt assumed his new responsibilities on May 10, 1965, in the Microcircuit Production Department, reporting to Ronald Warwick, and Mr. Young assumed his new responsibilities on April 12, 1965, in the Test Equipment Engineering Department reporting to Joseph Bienick.

On June 15, 1965, Mr. Gilbert took over his new duties in the Production Maintenance Department reporting to Kenneth Faylor.

Jim Denoncourt, a native of Manchester, received his education from West High School, Manchester; New Hampshire Technical Institute, Manchester; and the Sprague-Franklin Program.

He began employment with the Sprague Electric Company in June, 1960 as a Technician. In November, 1960, he was reclassified to a Sr. Technician and from June of 1963 until his recent promotion, Mr. Denoncourt was employed as a Sr. Equipment Development Technician.

Mr. Denoncourt resides in Concord with his wife, the former Irene Groulx of Manchester, and five children, Karl, 7; Renee, 6; Peter, 5; Thomas, 4; and Lisa, 2½.

Herman Young, a native of New Durham, New Hampshire, re-

ceived his education from Alton High School and the United States Air Force Schools of Electronics and Ballistic Missiles.

Mr. Young began employment with the Sprague Electric Company in March of 1960 as a Jr. Electronics Technician. In September of 1961 he was reclassified to a Sr. Technician and in May of 1964 he was employed as a Sr. Test Equipment Technician, the position he held until his recent promotion.

Mr. Young is a resident of Concord. His interests include hunting, fishing, and ham radios.

Pete Gilbert began employment with the Sprague Electric Company in August, 1958 as a Utility Man. Since that time he has held positions as a Transistor Production Equipment Technician, Equipment Maintenance Man Technician, and a Production Equipment Maintenance Group Leader.

Mr. Gilbert, a native of Concord, received his education at Henniker High School and New Hampshire Technical Institute.

He resides in Henniker with his wife, the former Marie Brunnhoelz of Springfield Long Island, New York, and two sons, Jerry Dale and Keith Joseph.

Annual Plant Picnic Set For August 14

Bear Brook State Park will be the site of the Annual Plant Picnic scheduled for Saturday, August 14, 1965, with all employees and their immediate families invited.

Plans call for a festive day of games, contests and entertainment, to be topped off by a picnic lunch scheduled for high noon.

Safety Scoreboard



C. U. Loans Curbed

At a special meeting of the Board of Directors of the Sprague Concord Credit Union held on June 17, 1965, it was voted to temporarily curb loans from the Credit Union.

The action was precipitated by the decision of the Board to ensure the availability of adequate funds for member withdrawals during the summer vacation period, in view of the unusual large sums of money recently loaned by the Credit Union to its members.

In compliance with the Board's decision, no automobile loans will be taken until cash surplus has been substantially increased. Personal loans will be received, numbered, and disbursed as cash is available at the discretion of the Treasurer of the Credit Union.

It is anticipated that this temporary curb on Credit Union loan activity will be lifted by mid August, in view of the termination of the majority of employee summer vacations.

EDITORIAL STAFF

Local Editor Stuart A. Sutherland

REPORTERS

Sandra Baker, Louis Bellman, Virginia Bickford, Roberta Chase, Simone Croteau, Ann Cutting, Carroll Dodge, Hector Emond, Judith Everett, Jacqueline Forest, Barbara Gibbs, Jeanne Gingras, Howard Hazeltine, Joyce Heath, Barbara Joquin, Barbara Mayo, Gloria McDonald, Mary Mitchell, William Morrill, Albina Morse, Esther Perron, Blanche Prescott, Lynne Preve, Maureen Rogers, Avis Small, Ann Towle, Nancy Verville, Marguerite Willard, Wayne Wooley.

SPORTS REPORTERS

Albert Sieradski and Carol Thornton

TWO SPRAGUE BELLES VIE FOR BICENTENNIAL QUEEN



Jacqueline Forest



Janet Sherburne

Two Bicentennial Belle's employed at Sprague Electric were recently nominated as Bicentennial Queen Candidates by local members of the Brother's of the Brush.

Jacqueline Forest, a member of the Colony Belles, who serves as receptionist and telephone switchboard operator, and Janet Sherburne, a Transistor Quality Control check inspector, representing the Jeze-Belles, are among the sixty candidates for Bicentennial Queen within the city of Concord.

From the group of sixty candidates,

Concord Welcomes



Armand Bosse began employment with the Concord Plant of the Sprague Electric Company on June 21, 1965, as a Product Engineer.

Mr. Bosse, a native of Nashua, New Hampshire, is a graduate of Nashua High School. He was with the United States Army Signal Corps for five years where he received a year of training with the Signal Corps Radio School at Fort Monmouth, New Jersey. Mr. Bosse spent three of his five years with the United States Army overseas. He was placed in charge of high power transmitting stations in the United States, North Africa, and Italy.

He was previously employed at the Sprague Electric Plant in Nashua, as an Electronics Technician, at Sprague Electric in North Adams, Massachusetts, as a Jr. Engineer, and at

Ferroxcube Corp., Saugerties, New York, as a Quality Control Engineer and Department Head.

Mr. Bosse resides in Concord with his wife, the former Cecile Desmarais of Chicopee Falls, Massachusetts, and three children, Normand, Susanne, and Christine.



Donald Kenney, a native of Bangor, Maine, began employment with the Sprague Electric Company on May 10, 1965, as a Sr. Engineer, reporting to Ronald Warwick.

Mr. Kenney received his education from Bangor High School, Maine, and the University of Maine where he received a Bachelor of Science degree in Physics.

He was previously employed as an Engineer with IBM, Owego, New

Continued on Page 3A, Col. 1

Personnel On The Move

Employees Benefit Fund Supports N. H. Heart Association

ROBERT COLLETTE was recently named Section Head of Cost Accounting. In his new capacity, he will be responsible for all cost estimating for the Semiconductor Division at Concord and the Solid Tantalum operations at Concord and Plymouth. In addition to this, he will be responsible for all Labor Cost Savings at Concord for the Semiconductor Division. Mr. Collette began employment with the Sprague Electric Company on June 27, 1960 as a Time Study Engineer.

DONALD ANDERSON was recently named Section Head of Time Study for the Semiconductor Division at Concord. Mr. Anderson joined the Company on April 30, 1956 as the first employee hired at the Concord Plant, in the capacity of Supervisor Trainee.

GEORGE MILLS, an employee since September 23, 1959, was recently named Section Head of Time Study for the Solid Tantalum operations at Concord and Plymouth. Mr. Mills is a former Group Leader for Autometrics, and Time Study Man and Cost Estimator.

Concord Welcomes

Continued from page 2A

York, the Raytheon Corp., Lewiston, Maine, and RCA., Somerville, New Jersey.

Mr. Kenney resides in Concord with his wife, the former Janine Couturier of Lewiston, Maine, and daughter, Francine Anne.



Arthur Micallef began employment with the Sprague Electric Company for the summer as a Jr. Design Engineer for the Transistor Device Development Department, reporting to J. Gerard Bouchard.

Mr. Micallef, a native of Providence, Rhode Island, is a graduate of Cranston High School, Cranston, Rhode Island, and received his Bachelor of Science degree in Electrical Engineering this June from Rensselaer Polytechnic Institute, Troy, New York.

Mr. Micallef is presently residing in Concord.



Robert Muzzey began employment with the Sprague Electric Company on May 3, 1965, as a Standards Engineering Section Head for the Test Equipment Engineering Department, reporting to Joseph Bieniek.

Mr. Muzzey is a native of Lacomia, New Hampshire and received his education from Lacomia High School and Keene State Teachers College.

His previous employment was with the New Hampshire National Guard

The following is the third in a series of articles examining the various charitable organizations supported by the Sprague Electric Concord Employees Benefit Fund. During the course of the current calendar year, this fund has made and paid pledges to local charitable organizations totaling \$6,200.00.

"People helping people" describes the New Hampshire Heart Association perfectly. For the past fifteen years, the Heart Association in this state has seen expanded growth and increased general interest in its activities. Thousands have given of their time and energies—helping others.

Let us delve a moment into the reason for having a Heart Association. Last year nearly 58 per cent of all deaths recorded in this state were caused by heart and blood vessel diseases. This was more than the combined total of the next five leading causes of death.

Across the nation last year 995,000 Americans died from heart and blood vessel diseases. Another 14,000,000 have heart and blood vessel diseases and almost as many more have suspected heart disease. Ninety per cent of these are men.

This problem has been termed by Dr. Paul Dudley White as the "Twentieth Century Plague."

Heart Association supported research, education, and service programs have reduced this problem considerably. The total cardiovascular disease death rate has dropped 7½ per cent in the past fifteen years. The death rate from high blood pressure is down 50 per cent; stroke death rate has dropped 25.6 per cent; and all other forms, except atherosclerosis is down 12.3 per cent. Atherosclerosis (the major cause of heart attack, the number one killer of men) is up 4.3 per cent.

The picture is not as hopeless as it might have seemed years ago. We know that 2,000,000 Americans have survived strokes and that 8 out of 10 survive acute heart attacks.

The Heart Association feels it can point with pride to its efforts in research, education, and community service. While answers are not available to all of the questions concerning the cardiovascular disease problems of our time, the Heart Association is doing something about them through these programs.

First, last, and always, the New Hampshire Heart Association is an educational facility... trying to ease unnecessary fears... trying to help people help themselves.

Heart Association research, an educational venture into the unknown, is aimed at better medical techniques, better medicine, and possibly cures. Professional and public educational efforts are aimed at fostering a better understanding of the known heart and blood vessel diseases and bringing the latest research information to the local physician as quickly as possible.

A very tangible people helping people activity in which the New Hampshire Heart Association is engaged, is in the field of community service. This is direct contact with



Dr. Allen Freeman, Keene Pediatrician, is shown examining a young cardiac patient at one of the Heart Fund supported Cardiac Teaching Conferences held this year throughout the state. Shown in the background is the Cardiologist, Dr. Walter T. Goodale of Exeter, who is teaching physicians, New Hampshire doctors, the latest cardiovascular medicine as a part of the NHHA's Professional Education Program.



Open heart surgery, such as being performed here, is becoming almost routine since its inception a decade ago. Heart Association funds, donated by the public during the annual February campaign, helped develop this lifesaving technique. The operating scene here was photographed in Mary Hitchcock Memorial Hospital, Hanover, New Hampshire's key center for cardiovascular disease correction.

people, bringing to them programs and information beneficial to their every day lives.

A key emphasis that the Heart Association is now working with is in the area of prevention. This is approaching the prospect of preventing cardiovascular diseases through proper diet, nutrition, release of stress, exercise, and the reduction of cigarette smoking. These factors have proven beyond a doubt to be contributing factors to the heart and blood vessel problem facing each and every one of us.

The Heart Association is, and it would seem justifiable, proud of their role as people helping people.

Support of the Heart Association's year-round activities comes from the annual February campaign and from legacies and memorial gifts. Twenty-five per cent of these funds are allocated to the American Heart Association to help support national programs of research, education, and community service.

All the rest of the funds are used here in New Hampshire. In fact, the American Heart Association has sent back into this state, research grants amounting to more than New Hampshire has sent to them in its total 25 per cent allocation over the past 10 years.

A breakdown of in-state spending



Donna Stefanick, 6, of Manchester, was the 1965 Heart Fund Princess for the Granite State. She underwent open heart surgery in Boston three years ago to correct an opening in her heart wall that allowed her blood to return to her lungs; thereby, obtaining too much oxygen. This corrective surgical process is the direct result of Heart Association sponsored research.

by the New Hampshire Heart Association for the 1964-1965 fiscal year would look like: Research, \$33,125; Community Service, \$7,715; Professional Education, \$10,646; Public Education, \$9,360; Administration costs (including fund raising) totaled fourteen cents per dollar... five cents under the national average.

Continued on page BA, Col. 1

- - DEPARTMENTAL NEWS - -

Microcircuits

by Barbara Joaquin

This being the first time our department has had a reporter, I would like to bring you up to date with our growing number and explain what we are doing in Department 798.

The new approach to electronics is Micro-Miniaturization. It is characterized by a demanding need for a high degree of efficiency materials and manufacture. We in Department 798 are a part of this requirement under the direction of Ronald Warwick, Tom Yasewicz, Jack Bates, Tony Bantly, and other qualified members. Clyde Corson exercises his duties between two shifts, a full member crew on first, supervised in assembly by Henry Charest, and in Diffusion and Photo Resist by Jack Bresaw. Second shift a much smaller group is supervised by Norman Connor.

Recently we have added to our department Don Kenney, as engineer and Bruce Coggins, a technician. We would also like to welcome Carol Munson, Jeannine LaClair, and Tom Wentworth. The efforts of this department is to improve functional performance and to obtain unquestionable reliability. With this criteria ever present, we will accelerate in this challenging new field. A baby shower was given for Mary Ann Foley at the Abbott House. She was presented with a shower cake and many useful gifts. Blanche Desroches has had a busy summer planned for her with her son, Roger, who graduated from St. Anselm's College in June, and who plans to be married to Sandra Degrennea in July. Tony Bantly, our engineer, is the proud father of a baby girl named Kobyn Jane born June 21. Congratulations, Tony.

Germanium Production 3rd Shift

by Axis Small

Much has happened since our last news deadline. The Rainbow Minstrel was a huge success. The end result was worth all the time a great many people put into it. The Bowling Banquet was much enjoyed. This was the first year any of our shift participated. We were all glad to

see Lola Millett back and all rejoiced with her when she was finally able to discard her crutches. Now Irene Merrill is using a crutch, but we hope it won't be for long. She was stepping out of her car when a car backed into her door and pinned her leg between the door and her car. We were glad to hear that Diane Cote has that little girl she wanted. Brenda Marie Cote was born on May 29. Betty Cate's daughter, Judy, graduated from Pittsfield High School and received a scholarship to the school of Nursing in Hanover. Barbara Person's son, Kenneth, graduated from Concord High School and Etta Rhodenizer's son, Chester, graduated from Weare High School. Lois Konopka and John Tasker were married on May 29. Happy Marriage, Lois. Lillian Brown is the proud owner of a new Mobile Home.

Welcome back, Beverly Clayton and a belated official welcome back to Rachael Chateaufneuf. Gert Cote had a surprise birthday party in the cafeteria. Flowers, cake and cards were given with the usual Happy Birthday song. Was she ever surprised—didn't suspect a thing. Seems we were a whole month early due to a real big boner pulled by yours truly. Gert enjoyed that cake because she didn't have to bake it herself. Everyone agreed it was a real fun party. We will be on vacation on her real birthday, so she needn't expect another one. Fishing was the main topic of conversation for several weeks. Oh, these fish stories! Several people made sure your reporter heard that Paul Dubac caught a 6' Game Warden weighing about 200 pounds. Wonder what kind of bait he was using. Did you hear about Commodore Mayo and his crew of Field's and Smith and their "Voyage to the Bottom of the Sea." Seems their boat sank in about 20 feet of water. It didn't help the outboard motor much but salvage operations recovered both boat and motor. One crew member said the other was just too fat! The new landscaping in the front of the Plant looks very nice. There is nothing prettier than white birches. The Christmas tree will look pretty all winter too. Vacations are coming right up. At least two of the girls are planning long trips. Ruth Morgan is going to see her son in California and Hazel Carleton is going to visit her home in Arizona. Happy Vacations to all of the tired night owl crew!

Solid Tantalum QAR

by Nancy Verville

I would like to welcome Beverly Lang, Bill Graves, and Floyd Newman to our department and say that we will be missing Bob Pratt, Larry Parenteau, and Pete Taylor. Anybody notice that bump on Bob Pratt's nose? He got that from pushing a golf ball from the first tee to the first hole after losing a bet with George Shelton. This promises to be an exciting summer. Everyone is getting ready for vacations and a few of our more eager individuals have been bit by Bicentennial fever. George Shelton and Albert Sieradski have joined the "Brothers of the Brush and are sporting beards." It sure did surprise Beverly to find a sign on her desk one morning but how come you didn't leave it up, Bevy, and how did it get there, Dave? Question: What does Donna Perkins do in the dark while her x-rays are developing? One-two-three-four!

Transistor Special Products

by Sandra Baker

Newspaper time is here again. This is a new department and is beginning to grow every day. It is headed by Paul Kozakevich, Dilip Bokil is our Engineer, Larry Cotter is our Group Leader and Kenneth Blevens is a Technician. Beth Shackett, Katherine Hale and Geraldine Schlehner were the first girls in the department. Sandra Baker came later and in the last few weeks Josephine Smith, Donna Magoon and Evelyn Rogers have been added. Ken Blevens has a new work bench and a new tool box with the tools to go with it, when the department gets into full swing. Ken also has a new son who is now about two months old. Beth Shackett's husband is stationed in Korea. Gerry Schlehner's son graduated from Pembroke

Academy on June 17. Congratulations, Gerry. Kathy Hale is the tops in this department now with three girls and two boys, ages 8, 7, 5½, 4½, and 3. Kathy and her family go camping quite often. On May 25, we celebrated Larry Cotter's birthday with a cake. We had a cake to celebrate Paul Kozakevich's birthday, but found out it wasn't his birthday at all. He was just renewing his New Jersey license which has to be renewed every three years on the thirtieth of May. Beth Shackett was given a chain to go around her neck for her birthday. Lawrence Cotter will be going into the hospital during his vacation to have an operation on his eye. Good luck, Larry. Tom Abbott, also a new member in our department, has recently returned from National Guard Camp.

Tantalum Pellet Prep, Second Shift

by Esther Perron

We welcome to second shift Mary Gibeau, Helen Sykes, and Lucille Richard. We also welcome back from the service Al Runnels. Vacation time is coming - Evelyn Bane spent her vacation cleaning - no rest for Evelyn. Bob Frank and his wife were able to attend a cousin's college graduation while vacationing in New Jersey. Speaking of graduations, children of Lucille Richard and Esther Perron recently graduated from Pembroke Academy. Robert Richard plans to go to technical school and Lorraine Perron, recipient of a \$500 Nellie Hall Scholarship, will attend Keene State Teachers College. Mona Bennett was recently married. She is now Mona Cole. Congratulations, Mona. Ernie Wiswell just bought himself a small trailer and Joe Greenough and his father have moved into a trailer in Pembroke. Patty Bobbils was elected our Problem Panel Representative. Patty bought herself a motor scooter and had all kinds of trouble with it. First the clutch broke and then the rear end let go. Now she has a car, but it's causing her trouble with the shifting. Better go back to a "trike", Pat. Wonder what will happen with all the beards sprouting up around here!



Michael John Locke is the son of Susan Locke from Department 799.



Cathy, age 3, and Kevin, age 1½, are the children of Lynn Belanger of Department 721.



Michael Richard Chaverette is the 3 year old grandson of Irene Cadrette from department 729.



Dan Schlehuber graduated from Pembroke Academy on June 17. His mother, Geraldine, works in department 797.



Pictured at the left is Ivan Bennett, Jr., son of Mona Cole of Department 725, and at the right is Gary Messier, son of Freda Messier of Department 799.



David is the 2 month old grandson of Marcelle Morgan from Department 722.



Kevin, 7, Karen, 4, and Kimberly, 3, are the children of Clayton Longver from the Machine Shop.

Machine Shop

by Louis Bellman

Vacation time is here again. Bob Keyser is the first to start from the Machine Shop. Bob has taken his family to the World's Fair and intends to do some tenting on their return trip... Paul Simard is on a two-week vacation with his Air National Guard Company in Manchester... Dick Hardy has a new boat. Now he can do more fishing in the bigger lakes. Dick has a 14' runabout with a 40 H.P. motor to push it... Phil Currier has a tent pitched on Bear Island on Lake Winnepesaukee, while Rod Spaulding and Gerry Courchene have lots on Rattlesnake Island also on Lake Winnepesaukee... We have a new member in the shop, Orval Coleman. Welcome to Sprague, Orval... Norm Giles has the fishing bug and has been going to the ocean to try and get the big ones... Now that nice weather has come, I have been taking my family tenting for the weekends. We plan to spend our vacation roughing it.

Tantalum Formation

by Simone Croteau and Albina Morse

By the time this report goes to press, many of us will have had our vacations—some to the lakes, others to the beaches, the World's Fair, and on day trips. We hope everyone had and will have a good and safe vacation... We would like to welcome Linda McGowen, Claire Miller and Richard Nolin and Paul Labbe to our department... Seventeen of us went to the Coachman in Hooksett recently to attend a farewell dinner for Barbara Desroches and Barbara McClintock. They were both recipients of lovely

gifts. Barbara McClintock left us to be with her family and Barbara Desroches, to await the stork. We hope you have that girl you want, Barb. Best of luck to you both... We are seriously thinking of organizing a track team. By some reports we hear that there are quite a few fast runners among us. One can make a fast get-away with her Mustang and another ran a mile and no watch could have been fast enough to time her. How would you like to be our Captain, Kay?

Transistor Development

by Blanche Prescott

Hi everyone! There have been a lot of changes around our Plant since the last paper. A lot of old folks have gone and new faces are around... Welcome to all the newcomers in our department... The fellows gave Paul Destroismaisons a stag party. He was married on June 26... Wes Corson had a brief stay in the hospital recently... Beverly Cheney has been transferred from the KPR room to the assembly area and Nancy Smith, from department 721 is her replacement... Elaine Wilson and her husband are in the process of building a new home. Good luck kids!... Lori Wells is leaving department 422 to go to work with Jerry Gagnon in department 426. There will be a big gap here without her, ah fellas?... Hope you like your new job though, kid... Even though Helen McLaughlin doesn't happen to be in our department, her wit and good humor will be greatly missed by all of us in the testing area... The Brothers of the Brush will be excellent Santa's at Christmas time with a bleach job done on the

brush. How about it fellows?... Mary Boyd bids farewell to her friends and coworkers. Her replacement is Mary Lovell. Wishing you the best of luck and have fun Mary, we will miss you... Beverly Cheney has plans to restore the big old house recently purchased in Loudon Village... Eleanor Marden is working in the KPR room replacing Barbara Martel on microcircuits... Vacation time is almost here for people in department 422. Hope everyone has a wonderful time.

Charlie Stoneham went to Europe with his family during the latter part of May. He reports seeing the changing of the guards at Buckingham Palace and many other very interesting sights.

Final Test, 2nd Shift

by Ann Cutting

Well, summer is here and we are waiting for vacations. Some of us have already started to enjoy the good weather. Lindsay Gregory and George Relf have been oystering at Great Bay and traveling up north to trout fish. How were the fish cooked on a stick over the fire, boys?... Esther Smith is quiet now that Norma Glover has transferred to first shift... Phyllis Scarsilloni's husband is a patient at Concord Hospital. We hope that his back operation is successful... Anna Wheeler, do you really chew five packages of gum a night? With her permission, I am happy to announce Connie Raney is gathering all literature she can find on motherhood... We welcome to our department the following new girls: Marion Wooley, Tanya Jackson, Marion McGowen, Dorothy Mayvine, Dora Boynton and we will miss

Goldie Bagley who has transferred to third shift... Our deepest sympathy to Barbara Lord and Goldie Bagley, for their father who recently passed away.

Office General

by Jacqueline Forest

Now that the blistering sun is upon us, our fancies turn to vacations and all the delightful activities that accompany summer... Dot Lascelle of Payroll just returned from a week at the World's Fair, where she enjoyed many exciting sights... Brenda Stevens, of Purchasing, became Mrs. Richard King in May and spent her first days as a bride touring Boston. Good luck, Brenda... Andy Ansaldo has a new addition to his family. Young Andy graduated from college and was married in June. A busy month for Kathy and Andy... Judy Palmer went to visit Mr. Puppulo in North Adams while she was on vacation. Just making sure he's being well taken care of... We would like to welcome Lois Dow to the Purchasing Department and at the same time bid farewell to Jane Carroll of the same department. Also, we'd like to welcome Joe Brouillet to Payroll and Claire Wilox to Material Control... There has been a rumor around the plant that some of the girls are objecting to the beards being grown by the "Brothers of the Brush". I hope none of you men would let a woman say you can't grow a beard, for such a worthy cause. The same applies to any man who objects to us women becoming Bicentennial Belles. He should have his beard shaved!... Let's join in the celebration and have a "quant" old time.



Pictured here under the power of concentration are from left to right, Chryss Jones, Dept. 426, Ron Hughes, Dept. 721, and Gene Harreck, Dept. 721.



Billy, age 3, and Eddie, age 1, are the children of Pauline Bisson of Department 721.



Mary Ann Severns is the 6 year old daughter of Shirley from Dept. 721.



This picture was taken of Kristine Zinn when she was 18 months old. Her mother, Lola, works in Dept. 721, and father, Richard, in Dept. 434.



Patricia Mulkhey of Department 721, 2nd shift, is the mother of the two children pictured here. Melissa is 5 years old and her sister, Michelle is 3 years old.



Seven month old Shawn is the youngest member of the Mulkhey family.



This picture of Bruce Bonnette was taken while he was in Maine on a fishing trip.

Autonetics

by Roberta Chase

This will be my last issue of the Concordian and I want to thank you for letting me be your reporter... Laurette Kimball spent Memorial Day weekend at the World's Fair. The most interesting buildings they visited were the Ford, GM, G Rand, Pepsi Cola by Walt Disney. They also visited New York City and saw the Empire State Building and the Statue of Liberty... Sam and Maybelle Reed have a new 1965 motorcycle. It is a Harley-Davidson electrified with a side car for Maybelle. It is black trimmed with white. They attended the Blessing of the Motorcycles at Enfield, New Hampshire and already have 1,000 miles on the cycle... Connie Morin became a grandmother May 28. Her name is Christine Louise and she weighed 6 lbs. 3 ozs. Also Connie and Sylvia Lodge took a trip through the White Mountains and along the Kancamacus Highway. They went swimming and got eaten alive by mosquitoes. Ever since then all we hear from Sylvia is about those Kentucky Hillbillies... I'd like to take this time to welcome back Edna Baron... Millie Chase visited cousins in Cromwell, Connecticut during her vacation. Audrey Boynton has a new addition - a litter of bunnies. The mother died, so she has been feeding them by hand... Rita Nageau's daughter, Linda, graduated from Grammar School... We would like to say farewell to Tina Reardon who has left to stay home... Sylvia Lodge is very proud of her son, Don, who won a \$300 scholarship award from Dollars for Scholars.



Jeffrey, 4, and Diane, 3, are the children of Chris Johnson of Dept. 721.

Silicon

by Mary Mitchell

This will be my last write-up for the Concordian for a while. I am going on a leave of absence to have a baby... Gerry Rheume will be your new reporter... We from Silicon hope everyone has a nice vacation and nice weather to go with it... We would like to welcome to Silicon Annie Publicover.

Pete Burgess is growing another little reddish caterpillar under his nose.



Tanya Jackson of Department 724 is the mother of the three pictured here. They are, from left to right, David, 5½, Lynette, 16 mos., and Gary, 4.

Transistor Division Services

by Howard Hazeltine

Seems like Howard Woodman, Bruce Bonnette and Jim Pimmins all had a good time on their eight day vacation, part of which they spent at Roach Pond, Maine. While staying there they saw 13 moose. They caught a salmon and brought home their limits of brook trout.



Pictured here with his pony is 3½ year old Steve Roberts. His father, Bill, works in Dept. 732.

Finishing

by Hector Emond

Hello everyone! There has been so much happening in our department, I hardly know where to start. To get things underway, the new look in Finishing, as a result of some renovating, has really improved the looks of the room. It's so much more orderly now with the sectioning of different machines and working places for the girls... We have had quite a few changes in personnel also. Dana

ferred. She is now in Department 797. The girls took her out to lunch at the "88" and gave her presents of a blouse and pin... Welcome to Janice Wing of Henniker as she joins our group... Marcelle Morgan is now a very proud grandmother as of March 25. Her grandson's picture appears elsewhere in this paper... George McNeff recently had an automobile accident, but he is fine. The car, however, was heavily damaged... This being my first column for our department, I hope you enjoyed reading it as much as I enjoyed writing it for you. As I say so long till the next issue, I wish you all a happy Summer and wonderful vacation.

Germanium Production (Second Shift)

by Maureen Rogers

By the time we receive this issue of the Concordian, a long awaited vacation will be over... We want to say good luck to our new Group Leader, Gene Harreck, and luck to Al Letourneau, who transferred to first shift... Good luck and happiness are in line for Simone Gagne and Dave Perron who were married on July 5. Hope you had a wonderful trip to Miami... We have had several new people join us the past few weeks. We welcome Norman Pelletier, Richard McLeod, Anita McCormick, Barbara Burnham, Christine Goodwin, John Johnson, Paul Beck, Gordon LaBonte, Heather Champigny, and John Adams. Welcome back Victor Walker... We have a lot of bearded men and lady belles around the plant these days, for the Concord Bicentennial. I think it's going to be a lot of fun. I came across an article which I think

Ordway, our Group Leader, has been transferred to Department 434. He was given a farewell party at break time by the girls and guys and was presented with a gift of a wallet (with money in it) and a cake. Now Dean Lampron has taken over his duties and we all welcome him to first shift. Best of luck Dana and Dean! Sandra Baker has also been trans-



This is Wally Fournier, the 14 month old son of Wallace Fournier of Dept. 721.



This picture was taken of Charlie Gray when he was in high school.



Deborah and Leta Chroniak are the children of Adeline Chroniak from Department 729.



Adeline Chroniak's son, John, graduated from high school in June.



Todd Geisser is the one year old son of Judy Geisser of Dept. 721.

my readers will enjoy, especially the men. As Science sees Women. Physical Properties: Boils at nothing and freezes at any minute. Melts when properly treated, very brittle if not properly used. Occurrence: Found wherever man exists. Chemical Properties: Possesses a great affinity for gold, silver, platinum and precious stones. Violent reaction if left alone. Able to absorb large amounts of food matter. Turns green when placed beside a better specimen. Uses: Highly ornamental, useful as a tonic in the acceleration of low spirits and an equalizer of the Wealth. Is probably the most effective income-reducing agent known. Caution: Highly explosive in in-experienced hands. I think with this, it's Bye and hope everyone has a real nice summer.

Germanium Production (Second Shift)

by Lynne Preve

Summer is here and we are all looking forward to our vacations. Everyone is planning to use their vacation to good advantage. At the present time, all hands are busy at work growing beards and planning their costumes for the Bicentennial Celebration. We have several clubs established in our department and in our area there are several girls who are Belles. They are Pat Mulkhey, Arlene Glover, Lynne Preve, Dot Poulin, Jackie Brochu, and Beverly Underhill. Joseph Russo is a Brother of the Brush. Lorraine Moran is the mother of a lovely baby boy born June 14. We were all happy to hear of the new arrival and are looking forward to Lorraine's return. Pauline Bisson is leaving us soon to await

the arrival of the stork. Jackie Brochu has been on a diet for the last few months and we all want to congratulate her on how well she has done. Keep up the good work, Jackie. We all want to welcome Arlene Stover to our department, she was transferred recently from Final Test, and Dorothy Poulin, who transferred from Finishing. We hope they both enjoy their stay with us. We would like our foreman, Maurice, to either slow down and not walk so

goes. Some of this news is rather old since it is so long between publications, but I hope it will still be interesting.

Ronnie Gates had an eerie experience some time ago and is still not sure whether it was caused by ghosts or gremlins. Hearing a horn blowing outside in her yard, she went out to see who had come to visit. It was her own car horn, the lights were flashing on and off, and not a sign of anyone in the car. For a few



A baby shower was given for Mary Ann Foley, seated center, at the Abbott House by the girls in Department 798. From left to right are Carol Cansler, Carolyn Hillsgrove, Dee Tinkis, Rita Beauchesne, Joyce Fowler, Irene Martel, Beth Willey, and Eleanor Frost.

fast or to take off his P.F. fliers. Joseph Stowers has been accepted as a State Trooper. Don't be too free with those tickets, Joe. We will all miss your good humor on Line 1. Good luck to you.

Semiconductor QAR

by Barbara Gibbs

Well, it's that time again, so here

minutes she thought the little green men had landed. We are sorry for the trouble that was caused, but would have liked a picture of Ronnie's expression when she saw the car. This also is rather old, and how about catching us up on further developments, Toni? Toni Counter's daughter, Theresa DiStadio, seventeen, a junior at Pembroke Academy, passed

a shorthand test of one hundred words a minute after only four months of shorthand. Her teacher said such speed, with ninety per cent accuracy, in such a short time, was amazing. Miss DiStadio plans to become a secretary. She certainly has made a fine start. When Glennys Brown says something she really means it. Glennys seldom works on Saturday, and when asked to help out on a rush Saturday she said, "I'll be there with bells on" and sure enough, she actually wore bells when she reported for work. Glennys has since left us to stay home and along with our department's traditional coffee and cake (Ruth Berberian did her usual fine job as cook) we presented her with a white pocketbook and key case to remember us by. We have celebrated the following birthdays with our traditional coffee and cake since the last news report. In April Marion Spencer's birthday was celebrated with Rod Foster furnishing the cake. He would not say if he himself baked it. Your reporters birthday was celebrated, and this is a switch, Ruth Berberian was asked to make the cake for Marion as she was busy moving to a new apartment, and since Ruth, herself, was busy at that particular time, Ruth's husband baked a delicious cake which we all enjoyed. Also in April we celebrated Shirley Lemerices' birthday, and since your reporter is no sort of a cook, her husband baked the cake for Shirley, using an old Shaker recipe from his collection of cook books. Last in April was Glennys Brown's birthday and Shirley baked the cake. In May we celebrated Ruth Berberian's birthday and for

Continued on page 8A, col. 4



Celebrating his first birthday is John Palmer, Jr., son of John Palmer of Department 420.



Ronnie and Melodie are the children of Clifford Seddon from Dept. 730 and Shirley Seddon from Department 426.



Randy Alan is the ten month old son of Ronald Grossman of Department 721.



This picture was taken of David Carl at one month old. His grandmother, Beatrice Lucia works in Department 729.

Sprague Sports . . .

by Carol Thornton
Ann Towle

MEN'S SPORTS . . .

by Al Sieradski

Golf

Team 3, led by Tom Howe, and Team 1, led by Bill Dawson, are tied for first place with 22½ points. Team 2, led by Eliot Clemons, with 22½ points is in second place and in third place is Team 5 with 22½ points, led by Paul Filaroski. Fourth place is Team 7 with 220 points led by Mike Smith; fifth place is Team 6 with 215½ points, led by Ted Perreault; sixth place is Team 8 with 209½ points, led by Dick Boyd, and seventh place is Team 4 with 207½ points led by Jerry Bouchard.

Low gross is Paul Filaroski and Tom Howe, both with a 42 and low net is Ed Sanborn with 31.

Softball

The softball season is coming to a

close. Universal Packaging is in first place with 10 wins and 5 losses. The Sprague Tigers have a record of 8 wins and 7 losses for second place team and the Sprague Mets are in 3rd place with a record of 5 wins and 6 losses with four more games to go. Northeast Electronics has a record of 5 wins and 8 losses.

In the playoffs, the 1st place team will play against the 4th place team for a win of 2 out of 3 games; and 2nd and 3rd place teams will play each other for a win of 2 out of 3 games, and the winners will play each other for a win of 3 out of 5 games for the championship.

Horseshoes

Sprague entered a team in the Queen City Horseshoe League for 1965. Although this is the 9th year for the league, it is Sprague's first entry.

The League consists of 12 teams with 12 men on a team. Eight men on each team play every Tuesday night at Wolf's Park in Manchester.

To date the Sprague team has not taken any points but hope to hit its stride in a couple of weeks.

The present players are Dick Perry, Captain, Bernie Smith, Syd Yeaton, Jerry Stanley, Don Irish, John Genest, Bill Rand, Charlie Dean, Wayne Woolley, Herm Young, and Ken Davis.

There are openings for a few more players, so anyone interested in pitching can contact Charlie Dean or Dick Perry.

WOMEN'S SPORTS . . .

by Carol Thornton

The Women's Candlepin Bowling League enjoyed their bowling banquet at the China Dragon.

After a very enjoyable meal, the trophies were given out by Rita Nedeau, Secretary of the League. Edna Baron received the high average trophy, Carol Cournoyer received the high triple trophy, and Maggie Dow received the high single trophy.

The Poopers won the roll off with the Live Wires, for first and second place. Third place team was the Telstars and last place was the Sharpies, who received crying towels instead of trophies.

Several of the girls have joined the Summer League at Boutwell's. So far none of us have done anything outstanding. Anyone wishing to become a sub may call the bowling alley (men and women).

Pennsylvania, received his education from Hotchkiss High School, Lakeville, Connecticut, and Williams College, Williamstown, Massachusetts, where he received an A.B. degree in Physics and took graduate courses in Physics and Chemistry.

Mr. Williams was formerly employed with the Sprague Electric Company in North Adams as a Development Engineer in the Plastic Film Capacitor Laboratory.

Mr. Williams is married to the former Jane Ellen Maroni from North Adams, Massachusetts.



Representing the Bicentennial Belles and the Brothers of the Brush are Helen McLaughlin, left, and Blanche Prescott, right, of the Jeze-Belles, and Ray LeComte, center, of the Bushmen Chapter.

Sprague "Belles" and "Brothers" Form To Observe Concord's 200th Birthday

Many Sprague employees are boosters of the Concord Bicentennial Celebration by joining chapters of the Bicentennial Belles and the Brothers of the Brush.

The Colony Belles, Tinkerbelles, Jeze-Belles and Hanna Belles are some of the Bicentennial Belle Chapters within the plant who have elected a President, Vice President, Secretary, Treasurer, Board of Governors, and Sheriff, for officers.

The Bushmen, Fuzzie Wuzzies, Royal Bushwackers, Bushy Barons, and Mangy Mugs, some of the local Chapters of the Brothers of the Brush, have elected as officers a President-High Sheriff, Board of Governors, Constable, and Judge.

Every Friday members of the Chapters wear to work the costume befitting the era they are celebrating. Many of the costumes were purchased at the Bicentennial Headquarters, Auctions or Antique Shops. Some were taken out of moth balls from an attic of some relative, while others have been made from patterns now available in many of the stores around Concord.

A list of crimes and punishments, which vary in each Chapter, have been drawn up by the members, and it is the job of the Constable and Sheriff to make certain a crime does not go unnoticed.

The Bicentennial Belles and the Brothers of the Brush at Sprague Electric seem to be, very definitely, doing their part in boosting the Bicentennial celebration.

2nd Shift 10 Pin Bowling

by Ann Towle

The Second Shift Ten Pin Bowling League ended their season with the following standings: First place team; Maurice Emond, Charles Glover, and Dot Muzzy. Second place team; Sheldon Shibles, Maude Colby, and Gene Harreck. High average went to Ron Morin and Gwendolyn Knight; High series went to Gene Harreck and Dot Muzzy; High single went to Charles Glover and Linda Shibles; and Most improved went to Gene Harreck and Maude Colby.

BIRTHS . . .

March 26—Mr. & Mrs. Donald Whitten—Girl

April 7—Mr. & Mrs. Kenneth Blevens—Boy

April 13—Mr. & Mrs. Harry Lord—Boy

May 29—Mr. & Mrs. Eugene Cote—Girl

June 14—Mr. & Mrs. Daniel Moran—Boy

June 16—Mr. & Mrs. Lindsay Gregory—Boy

June 21—Mr. & Mrs. Anthony Bantly—Girl

WEDDINGS . . .

April 24, Shirley Wing to Dilip Bokil May 29, Lois Konopka to John Tasker July 5, Simone Gagne to David Perron

Departmental News . . .

Continued from page 7A

once she did not have to bake the cake. Glennys did. So far in June we have celebrated twice. Nick Edward's birthday with Ruth Berberian again doing the baking, and Ronnie Gates' birthday with Nick doing the honors. We welcome the following new people to our department. Jean Wakefield, daughter of Lorraine Wakefield, who is working for us for the summer as Check Inspector until she returns to Mount St. Mary's in the fall. Sandra Lazott, niece of Jim Lazott, who has just graduated from Memorial High in Manchester and who has come to work as clerk for our department. We also welcome Joan Merrow, who comes to us from Montreal, Canada. She is newly married, lives in Chichester, and is our new Draftswoman. We are preparing to welcome Helen McLaughlin, who will work for us as Check Inspector, coming from Process Engineering. . . Some of our girls, with some from other departments, have formed a chapter (Chapter No. 2) of the Bicentennial Belles to help celebrate Concord's Bicentennial. We are known as the Jeze-Belles. The President is Ronnie Gates, Secretary is Blanche Prescott, Treasurer, Dorie Miner, Board of Governors Representative is Jean Wakefield, and Sheriff, Helen McLaughlin.

Concord Welcomes

Continued from Page 3A

as a Radar Technician; R.D. Brew Company, as a Calibration Technician, and Tektronix, Inc., Boston, as a Field Maintenance Engineer.

Mr. Muzzy resides in Lakeport with his wife, the former Mary Lavallee of Gifford, and children Michael, Suzette, Eric, and Thomas.



Paul T. Richard, a native of Lawrence, Massachusetts, joined the Sprague Electric Company on May 5, 1965, as a Microcircuit Process Engineer, reporting to

Clifford Kile.

He is a graduate of Boy's Catholic High School, Malden, Massachusetts, and received a Bachelor of Science degree in Chemistry and an Associate degree in Electrical Engineering from Merrimack College, North Andover, Massachusetts.

Mr. Richard was formerly employed by the Sprague Electric Company in Nashua as a Product Engineer and was employed as a Process Engineer with the Raytheon Company in both Quincy, Massachusetts and Lewiston, Maine and Sylvania Electric, Woburn, Massachusetts. He was also employed as a Product Engineer with the Transiron Electronic Corp., Wakefield, Massachusetts.

Mr. Richard resides in Derry, with his wife, the former Marguerite Courchesne of Manchester, and children, Paul Theodore, Jr., and Jean Claude.



Edgar Mark Williams joined the Concord Plant of the Sprague Electric Company on June 14, 1965, as a Development Engineer, reporting to J. Gerard Bouchard.

Mr. Williams, a native of Pittsburg,

Nine Students Receive Masters Degrees Under Company Sponsorship

Four Graduate From RPI; Four From Williams; One From University of New Hampshire



J. Andrew Lauber



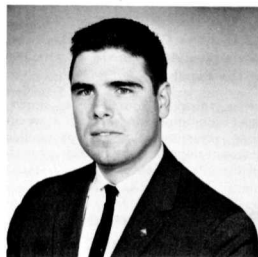
Alfred P. Roy



Fred Schoenfeld



Ronald Lutz



David Collins



David Thompson



Ernest Urfer



William Schneider



J. Gerard Bouchard

Nine employees, studying under the Company's management education sponsorship program, were awarded masters degrees at commencement exercises held in June. J. Gerard Bouchard, a Concord, New Hampshire employee, received a master of science degree in electrical engineering from the University of New Hampshire.

In North Adams, four employees received masters degrees from Rensselaer Polytechnic Institute and four were awarded degrees from Williams College. In the RPI group, J. Andrew Lauber, Alfred P. Roy and Fred Schoenfeld were granted M.S. degrees in management science while Ronald Lutz received his masters in electrical engineering.

At Williams College, master of science degrees in chemistry went to David Collins, David Thompson and Ernest Urfer. William Schneider received his masters degree in physics.

Mr. Bouchard joined the Concord group in 1958 as an engineer. He

received his B.S. degree from the University of New Hampshire in 1957 and was chosen as the outstanding senior of the year in electronics. While in college he was elected to Tau Beta Pi and Phi Kappa Phi, national honor fraternities.

Prior to college Mr. Bouchard served in the U. S. Army where he qualified for Officer's Candidate School and was commissioned a second lieutenant in 1952. On his return to civilian life he joined Raytheon Corporation and started college studies on a part time basis at Boston University. In 1954 he undertook full time college work at the University of New Hampshire and graduated in 1957 with a B.S. degree in electrical engineering.

Mr. Lauber is a graduate of Tufts University with a bachelor of science degree in chemical engineering. In 1960 he was awarded a master of science degree in chemical engineering from Massachusetts Institute of Technology, and following graduation from MIT joined National Carbon Company, Fostoria, Ohio as a development engineer. In 1962 he joined Sprague Electric in the Engineering Laboratories as a development engineer and in the fall began his studies at RPI.

Mr. Roy is a native of North Adams and a graduate of the University of Massachusetts where he received a bachelor of science degree in physics. He joined Sprague Electric in 1961 as a purchasing analyst and in 1964 joined Quality Assurance and Reliability Department as a section head.

Following graduation from Drury High School, North Adams, in 1951 Mr. Roy served for four years in the U. S. Navy. His business association

includes membership in the American Society for Quality Control.

Fred Schoenfeld joined Sprague Electric following graduation from Texas Technological College, Lubbock, Texas, in 1961. He is a member of the American Society for Quality Control and the Institute of Electrical and Electronic Engineers.

Mr. Lutz is a graduate of the University of Connecticut with a bachelor of science degree in electrical engineering. Following graduation in 1962 he joined Sprague Electric in Test Equipment as a design engineer. In 1964 he transferred to the Ceracircuit Laboratory. Mr. Lutz is a member of the Institute of Electrical and Electronic Engineers.

Mr. Collins is a graduate of the University of Massachusetts with a B.S. degree and has been employed in the Engineering Laboratories since 1962. He has been accepted for doctoral studies at Pennsylvania State University where he will concentrate on solid state technology and has been awarded a fellowship in the materials research laboratory. He is a member of the American Chemical Society and the American Association for Advancement of Science.

Mr. Thompson is a 1956 graduate of Brown University with a B.S. degree in chemistry. Following two years of service in the U. S. Navy as a Lieutenant j.g. he joined Sprague Electric in the Engineering Laboratories where he is presently employed as a chemist. Mr. Thompson is a member of the American Vacuum Society.

Mr. Urfer is a native of Paterson, New Jersey and a graduate of Cornell University with a bachelor of chemical engineering degree. Following

graduation in June 1961 he joined Sprague Electric in the Engineering Laboratories. While in college he was elected to Alpha Sigma Phi and is also a member of the Electrochemical Society.

William Schneider attended Lehigh University and in 1960 graduated from Franklin & Marshall College, Lancaster, Pennsylvania with a B.S. degree in physics. While in college he worked for Radio Corporation of America at their Lancaster Division.

Following graduation he joined Sprague Electric in the Engineering Laboratories and is presently a physicist in the Semiconductor Physics Laboratory. Mr. Schneider is also an instructor at North Adams State College in their evening program and is an advisor for the Youth Science Forum at the Sprague Research Center.

Lack, Sprague, Peck

Continued from page 3

Manager of the Union Street Plant and had production responsibility for the Division's Visalia, California Plant.

A graduate of Drury High School, North Adams, Mr. Smith attended Williams College and received his B.S. degree in industrial engineering from the University of Vermont. He joined Sprague Electric in 1950 as a Methods Engineer and in 1958 was named an Industrial Engineer for the new Special Products Division. He was subsequently promoted to General Foreman and Factory Manager for the Division.

Mr. Smith was the first president of the Northern Berkshire Jaycees and is a past master of the Greylock Lodge of Masons.

Scholarships

Continued from page 2

the Future Teacher's Club and a charter member of the Carroll County (Virginia) Emergency Radio Club.

Miss Hartsoe is a graduate of Ashe Central High School, North Carolina and will enter the University of North Carolina in the fall where she plans to major in chemistry. An excellent student, Miss Hartsoe was active in student activities as a member of the Student Council and the Annual Staff. She also served as secretary of her senior class and the Beta Club.

In 1963 Miss Hartsoe attended the Governor's School in North Carolina and was one of two students from Ashe County selected for this honor.

Young Janules will enter Tufts College in the fall and will major in chemistry preparing for a career as a research chemist. Ranking fifth in his graduating class of 562, he is a member of the National Honor Society and has been active in both extra curricular and community activities. In school he was a member of the Math Club, Latin Club, Chemistry Club, Experimental Club, Yearbook Staff, and a delegate to Boy's State.

Mr. Clough graduated from Drury High School, North Adams, and will enter Boston College in the fall where he will major in chemical engineering. A member of the Pro Merito and Nu Sigma Honor Societies, he has also been active on the Drury Gymnastic Team where he served as co-captain, and in the Drury Chorus. He has also devoted a great deal of time to church activities and has held a part time job during the school year and worked full time during the summer months.

Mr. LeBeau, also a Drury High School graduate and a member of Pro Merito, has participated in the Accelerated College Preparatory program. He will enter the University of Massachusetts in the fall and plans to major in either physics or mathematics.

In high school he has been a member of the Science Club, the Exchange Group, president of the Civil Rights Discussion group, and has participated in school sports. He has also served as president of his church youth group.

Miss Workowicz, a graduate of Adams Memorial High School, Adams, Massachusetts, was in the upper 10% of her class and a member of Pro Merito Society. She will enter the University of Massachusetts where she will major in mathematics.

While in high school she served on the yearbook staff, was a captain in the magazine drive, and served on various other committees. In addition she was a member of the Glee Club and the Pep Club and served as secretary of the Pro Merito Society. Outside school she is active in church groups and has served as a Heart Fund volunteer.

Britton Girard graduated as valedictorian of his class at Adams Memorial High School and is a member of the Pro Merito Society. He will enter Massachusetts Institute of Technology in the fall and will major in nuclear physics and mathe-

Worcester Commencement

Continued from page 3

As an example, Mr. Sprague traced the growth and development of the Sprague Electric Company. He noted that "In 1929, the year operations were moved to North Adams, there was invested in the company a total of \$210,198, which included certain stocks subscribed but not yet paid for, totalling about \$91,000; and earned surplus (the three year profit retained in the business) of about \$49,000; and short and long term borrowings of \$182,500. This made a grand total of \$442,282 of invested, earned and borrowed monies necessary to run the business. With a payroll of 400 persons in 1929, this meant an average of \$1,105 per employee was required to sustain our then existing level of employment.

"By December 31, 1964, 35 years later, this total of monies invested, earned and borrowed had grown from \$442,282 (in 1929) to over \$70,000,000. With employment rising to 9,000 the average investment per employee had risen to \$7,840. Thus today it takes seven times as many dollars to give employment to one person as it did in 1929."

Continuing Mr. Sprague noted that the company growth was made possible by one factor - and that factor was profits. Similar results would not have been attained had the government dictated the products to be manufactured, their development, their distribution, and the allocation of manpower and other resources needed.

Governmental control has been tried in some countries and it has not worked. Mr. Sprague remarked that "possibly the most outstanding comparison is the economic vitality and growth of West Berlin, compared to the relative economic stagnation or lack of growth of East Berlin. This necessitated the building of the Berlin Wall by the Russians.

In summary, Mr. Sprague reiterated his opening remark that the Profit Motive is a "system which permits, encourages, and requires individual decision making in the conduct of personal and business affairs."

maties.

While in school he has been a member of the Chemistry Club, played J. V. baseball and basketball, served on the magazine and Christmas card drives and participated in the senior play. He also won first place in third year French in the Western and Central Massachusetts competition. He has held a part time job while in school.

Mr. Stevens, the recipient of the Sprague Electric Cooperative Engineering Scholarship, graduated from Drury High School, and will continue his education at Northeastern University. A Pro Merito member, Mr. Stevens has been a member of the Chess Club, the Bio-Chemistry Club, and has participated in sports in school and in the church league. He has also been active in St. John's Episcopal Young People's Fellowship and in the Junior Bowling League at Mt. Greylock Bowl.

For the past three summers he has worked full time and has held after

Sprague Employees At Concord, N. H. Join In Bicentennial Celebration



Many employees at the Concord, New Hampshire Plant of the Sprague Electric Company are boosters of the Concord Bicentennial Celebration by their membership in the societies known as the Bicentennial Belles and the Brothers of the Brush.

The Concord, New Hampshire, Plant of the Sprague Electric Company, as well as the entire city of Concord, has taken on an air of festive antiquity, reminiscent of an era which passed long ago into the annals of American history.

This city-wide reversion in costume and manner to the days of old is occasioned by a many faceted Bicentennial celebration, marking the 200th anniversary of the incorporation of the city of Concord from the area settled as the Penacook Plantation at an earlier date.

Using as its symbol the Concord Coach, produced locally until the mid 1800's, and famous for its role in opening the west, the summer long celebration began with a massive Bicentennial parade on May 30.

Personal participation in the many scheduled events is highlighted by an estimated 2,400 hoop skirted Bicentennial Belles and their bewhiskered Brothers of the Brush escorts, drawn from among the residents of the city. The Concord plant boasts five chapters each of both Belles and Brothers, with 15 members in each chapter, subject to strict puritan based rules concerning the wearing of proper attire. Any infractions of these rules means appearance before a Kangaroo Court, with punishment ranging from fines to public incarceration in the stocks.

Forthcoming events of the celebration, scheduled to conclude with a Homecoming Week August 14-20, include parades, motorcades to other

school jobs during the school year.

Miss Willis, the Nursing Scholarship winner, graduated from Pittsfield High School, Pittsfield, Massachusetts, and will enter the Albany Medical Center School of Nursing in the fall. An excellent student, she ranks in the upper 10% of her class of 790.

While in school she has been a member of the Science Club and Co-editor of the yearbook, and has done part time work after school hours. After receiving her R.N. she hopes to continue her studies for a B.S. degree.

cities, historic tours, style shows, television appearances, and a week-long presentation of a spectacular pageant depicting the historic growth of the city of Concord.

B. Rosen Named Filter Div. Mgr.



Appointment of Benedict Rosen as Manager of the Eastern Development Center of the Filter Division was announced by Frederick S. Scarborough, Division Manager. Mr. Rosen was formerly in charge of the Division's Research Department.

In his new post, Mr. Rosen will be responsible for all Sprague Filter Division activities in New England, New York State, and Northern New Jersey. This includes the design of interference filters for customer requirements, interference and susceptibility measurements of electrical and electronic equipments, and the fabrication of prototypes as well as pilot production of filters.

Mr. Rosen is an electrical engineering graduate of the Massachusetts Institute of Technology and is a member of the Institute of Electrical and Electronics Engineers. He is also a member of Committee P.3.6 on electric wave filters of the Electronic Industries Association.

Mr. Rosen resides at Benliss Drive, Williamstown with his wife, the former Brenda Weinstein, and their three children, Andrew, Greg and Heidi.



M. Arel Promoted to Supt. of Metal Film Resistors

Maurice Arel has recently been named Superintendent of the Metal Film Resistor Department, at the Nashua Plant. Previous to his new assignment Mr. Arel was a General Foreman, and a Resistor Engineer in the Film Resistor Development in Process Laboratory at Nashua.

During summer vacations Maurice worked on various production jobs and as a Laboratory Technician while studying for his B.A. Degree at St. Anselm's College from which he graduated in June 1959. He then continued to work for Sprague Electric as a Laboratory Technician during vacations while he attended St. John's University in Jamaica Plains, New York from which he received his Master's Degree in June of 1961.

Mr. Arel is married to the former Joyce Latvis who was one of the first Sprague Nashua Scholarship recipients. They make their home at 29 Park Avenue with their 2 year old daughter Jocelyn, and 3 month old son, Mathew John.

LEON PODOLSKY HONORED BY DREXEL INSTITUTE

Leon Podolsky, Technical Assistant to the President, was awarded the honorary degree of doctor of science at Drexel Institute of Technology graduation ceremonies held in June.

Mr. Podolsky graduated from Drexel in 1934 with a degree in electrical engineering. In 1959 he was honored by his alma mater as the outstanding alumnus, Class of 1934, for achievement as an engineer and for contribution to the profession and the community. In 1957 he received the Gold Plaque Award, given jointly by the Institute of Radio Engineers and the Electronic Industries Association, for outstanding contribution to the industry that year. Mr. Podolsky has also been honored by the Armed Forces for his outstanding service during World War II.

A consultant to many United States defense agencies, Mr. Podolsky has represented this nation several times at international electronics conferences.

Largest Award

Continued from page 1

Street employee, received \$1,000 for his suggestion.

Mr. Mantello, an employee of the Company since 1948, also won an additional award of \$300 for another suggestion.

Off-the-Job Safety

Continued from page 1

safer on-the-job than off!

Mr. Washburn, who served as President of the Western Massachusetts Safety Council from April 1964 to April 1965, has spearheaded an active campaign within the Company to reduce off-the-job injuries and has also encouraged all members of the Safety Council to be aware of the problem.

In North Adams, Mr. Sacco prepared a series of programs for the LOG of the Air radio program, stressing various aspects of off-the-job safety. In addition, Dr. William G. Heeks, Corporate Medical Director, has covered such subjects as the danger of poisons and the MedicAlert program. To round-out the presentation, Stuart Pead, Plant Fire Protection Engineer, is heard during Fire Protection Week in the fall and Clean-up Week in the spring, stressing precautions that should be taken in the home.

Sprague Electric has the welfare of its employees in mind whether they be on-the-job or at home. Sometimes all that is necessary is a reminder for us to correct a careless habit that may result in injury to ourselves or our loved ones.

Anthony Sacco Made Ind. Safety Engineer

Anthony N. Sacco, Corporate Safety Supervisor, has been elected a member of the American Society of Safety Engineers. For the past five years he has been an associate member of the group.

Membership requirements are rigid and require at least ten years of work as a safety engineer. Full members must be professionally engaged in the prevention of injuries and the conservation of property.

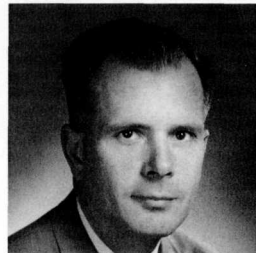
Mr. Sacco's membership certificate states the Society is "organized to promote the arts and sciences connected with engineering and its relation to safety of life and limb and protection of property."

Through membership in a professional society Mr. Sacco is kept abreast of the latest developments and methods in making industrial areas as safe as possible for our employees.

Arthur G. Ceely Retires; William C. Donelan Assumes Duties of Contract Administration



Arthur G. Ceely



William C. Donelan

Arthur G. Ceely, Assistant to the President since 1939, retired on July 1. His services will be available, however, as a Consultant on military procurement policies. William C. Donelan has been named Director of Contract Administration.

As a Consultant, Mr. Ceely will attend pre-contract negotiations and will also continue to represent the Company on the Electronics Industry Association's Military Procurement Committee, and on the Defense Industry Advisory Council. He will also continue as Treasurer of Sprague International, Ltd. and Sprague Ponce Company, and will handle Rock of Ages salary records.

Mr. Donelan is responsible for the preparation, administration, negotiation and execution of Government prime contracts and all subcontracts which are indirectly related to the Government via the prime contract. He will also administer the contract after receipt to insure all contractual obligations are met.

In addition, Mr. Donelan has prime responsibility for the execution of all customer survey questionnaires relating to the general capabilities of the Sprague Electric Company.

Mr. Ceely received his B.S. in industrial management in 1924 from the University of Pennsylvania, Wharton School, where he was also elected to the national honor society, Beta Gamma Sigma. From 1924 to 1930

he served as an industrial management consultant in Ohio, Connecticut and Massachusetts. In 1930 he was named Comptroller of the Plastics Division of the Monsanto Chemical Company.

In 1939 Mr. Ceely left Monsanto to join Sprague Electric.

Mr. Donelan joined Sprague Electric in 1963 as Contract Administrator. He had previously been employed by Litton Industries, Massachusetts Institute of Technology Instrumentation Laboratory and Singer Sewing Machine Company, all in the Boston, Massachusetts area.

A native of Roslindale, Massachusetts, Mr. Donelan graduated from Hyde Park High School in 1942 and enlisted in the U.S. Navy where he served on the U.S.S. Boston. He was elected to attend Officer's Candidate School under the V-12 program, and received an associate degree from Harvard University and graduated as a Navy ensign.

Following the War, Mr. Donelan attended Boston College and received his B.S. degree in 1950.

Micro Tech Mfg. Moves to Worcester

A substantial portion of the operations of Micro Tech Manufacturing, Inc., manufacturer of semiconductor equipment and newly acquired subsidiary of Sprague Electric Company, has been moved to Worcester, Massachusetts from the firm's former headquarters in Sunnyvale, California. The move will enable Micro Tech to capitalize on expansion plans. A sales and service facility will remain permanently in Sunnyvale to efficiently handle the firm's West Coast customers.

Micro Tech will continue to supply and service the semiconductor industry's needs in design, development and production of assembly equipment and will, additionally, function as an internal source of supply to Sprague Electric. Micro Tech's operations in Worcester will be near the Sprague facilities, but in entire separate space. The move will enhance Micro Tech's capabilities to serve the semiconductor industry on a nationwide basis from facilities located on both coasts.

IR Personnel Attend Conference



Industrial Relations Managers from branch plants all over the United States and from Ponce, Puerto Rico, and Corporate Industrial Relations personnel gathered at the Williams Inn, Williamstown, Massachusetts for their bi-annual conference. The intensive three-day program briefed participants in their various areas of responsibility and also allowed for discussion of mutual problems.

Company officials and invited guests spoke at various sessions throughout the three-day period.

William A. Norman New Machine Shop Head; John H. Gifford Promoted To Foreman



William A. Norman



John H. Gifford

A revision in North Adams Machine Shop responsibilities was announced recently by John B. Ortman, Manager of Plant Engineering Services. William A. Norman has assumed the duties of Machine Shop Superintendent and John H. Gifford has been named Machine Shop Foreman.

Lewis Willbrant has assumed the responsibilities for the Machine Shop Can Shop and William Brown is now in charge of outside contract machine work.

Mr. Norman, a native of Springfield, Illinois, joined Sprague Electric after 17 years with the Sangamo Electric Company there. He has experience in toolmaking, diemaking, moldmaking, and other essential phases of machine shop activities including several years of machine shop supervision.

Educated in local Springfield schools, Mr. Norman continued his studies while at Sangamo through an International Correspondence School course in Industrial Supervision. He served for six years in the Illinois National Guard with two of those years on active duty at Camp Cook,

California and in Germany during the Korean crisis.

Mrs. Norman is the former Doris Moore of Springfield, Illinois and they are the parents of three daughters. Currently residing at The Knolls in Williamstown, the Normans are building a new home on Luce Road.

Mr. Gifford, a 23 year employee of Sprague Electric Machine Shop, is a graduate of Drury Trade School, North Adams. He served his apprenticeship in the local shop and progressed from machinist, to toolmaker, to diemaker before his recent promotion to foreman.

During World War II Mr. Gifford served in the U. S. Navy from 1943-1945. Twenty-seven months of that time were spent in the submarine service aboard the U. S. S. Tarpon in the Pacific area. Prior to his assignment on the Tarpon he attended submarine school and torpedo school in New London, Connecticut.

Mr. Gifford's wife is the former Doris Sumner of Stamford, Vermont and they are the parents of a daughter, Lynn Ann.

Mass. Legislators Visit Airport



A few weeks ago a group of Massachusetts legislators and Crocker Snow (2nd right), Massachusetts Director of Aeronautics, visited the Harriman Airport for a look at the local facilities. Shown with Mr. Snow are: (left to right) Albert Rowett, Airport Commission Chairman; John H. Winant, Vice President of Industrial Relations; and a member of the legislature.

Robert C. Sprague, Jr., Senior Vice President, Corporate Relations, and Mr. Rowett spoke briefly to the group. Both stressed the importance to the area of the local airport and requested that the legislators do all in their power to further improve and support the facility.

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Inventory Control Groups Report . . .



The first Inventory Control teams made their presentations to Ernest L. Ward, President, recently at a session held in the Building 9 Conference Room at Marshall Street. Pictured above are the Foil Tantalum group as they discussed their work with Donald Meiklejohn (right), Inventory Control Coordinator, prior to the formal presentation. Members of the team are: (left to right) Joel Pierce, Superintendent; Edward Godek, Time Study; and Paul Sartoris, Engineering.

Hardwork Pays Off For Nashua Employee



Nicholas Haschak, Manufacturing Engineer, Nashua Plant, received his BS degree in Industrial Technology from Northeastern University in June. His achievement represents the culmination of a long period of hard work and self discipline always directed toward this goal envisioned many years before.

Nick's interests lead him to Mechanical Engineering and when he graduated from Stuyesant High School, in New York, he studied this subject for two years at City College. Although, his full time school was interrupted, he continued taking courses at Rutgers, in the field of management training. Correspondence courses gave him knowledge in toolmaking, machine design and machine shop practice.

Mr. Haschak went to work for Raytheon and applied for an associate degree in mechanical engineering at Northeastern's Lincoln College. Even though he was told that all former credits were unacceptable, Nick began all over again to drive toward his goal. While at Raytheon, he taught pre-engineering math for

Patent Dinner

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addition more than half of our 500 patents have been obtained in the last ten years as a natural result of our significant expansion of research and engineering efforts.

In closing Mr. Sprague noted that "we cannot now become complacent with our 500 patents, large as that number may seem, and praiseworthy as it most certainly is. We must look to our future - and our next 500 patents."

Following his remarks to the group, Mr. Sprague presented Dr. Robinson with a large bronze plaque mounted with a wood frame and commemorating the issuance of the 500th patent. In acknowledging the award, Dr. Robinson reminisced about his many years with Sprague Electric and some of the interesting anecdotes in connection with his research activities.

Serving as master of ceremonies for the evening was Dr. John L. Sprague, Senior Vice President, Research and Development.

employees there. When he reached the associate degree level, Nick went on striving for a BS in Industrial Technology which he received in June.

The Haschak's have two children - Lynda 20, and Richard 19. One year while carrying an especially heavy load of college courses, in addition to his regular work, Nick squeezed out time for skiing, hunting, boating and he built a house.